

083 FA 013

PROPERTY LOCATION >> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

City, Town, or Plantation: **PORTLAND**

Street or Road: **GREAT DIAMOND ISLAND**

Subdivision, Lot #: **LOT 13 DIAMOND COVE**

PORTLAND Date Permit Issued: **4/11/02** PERMIT # **8048** STATE COPY \$ **100** If Double Fee Charged

[Signature] L.P.I. # **369**

263 Local Plumbing Inspector Signature

OWNER/APPLICANT INFORMATION

Name (last, first, MI): **COX Joeseeph** Owner Applicant

Mailing Address of Owner/Applicant: **Wright - Byron Coast 10 Dunforth St.**

Daytime Tel. #: **773-3625**

Municipal Tax Map # _____ Lot # _____

2002-6004

OWNER OR APPLICANT STATEMENT
I state and acknowledge that the information submitted is correct to the best of my knowledge and understanding and that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

[Signature] **4/11/02**
Signature of Owner or Applicant Date

CAUTION: INSPECTION REQUIRED
I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Local Plumbing Inspector Signature

(1st) date approved

(2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System
 2. Replacement System
Type replaced: _____
Year installed: _____

3. Expanded System
 a. Minor Expansion
 b. Major Expansion

4. Experimental System

5. Seasonal Conversion

THIS APPLICATION REQUIRES

1. No Rule Variance
 2. First Time System Variance
 a. Local Plumbing Inspector Approval
 b. State & Local Plumbing Inspector Approval

3. Replacement System Variance
 a. Local Plumbing Inspector Approval
 b. State & Local Plumbing Inspector Approval

4. Minimum Lot Size Variance

5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

1. Complete Non-engineered System
 2. Primitive System (graywater & alt. toilet)
 3. Alternative Toilet, specify: _____
 4. Non-engineered Disposal Area
 5. Holding Tank, _____ gallons
 6. Non-engineered Disposal Field (only)
 7. Separated Laundry System
 8. Complete Engineered System (2000 gpd or more)
 9. Engineered Treatment Tank (only)
 10. Engineered Disposal Field (only)
 11. Pre-treatment, specify: _____
 12. Miscellaneous Components

SIZE OF PROPERTY

05 SQ. FT. ACRES

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: **3**
 2. Multiple Family Dwelling, No. of Units: _____
 3. Other: _____
(specify)

TYPE OF WATER SUPPLY

1. Drilled Well 2. Dug Well 3. Private

4. Public 5. Other

SHORELAND ZONING

Yes No

Current Use Seasonal Year Round Undeveloped

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete
 a. Regular
 b. Low Profile
 2. Plastic
 3. Other: _____
CAPACITY: **1000** GAL.

DISPOSAL FIELD TYPE & SIZE

1. Stone Bed 2. Stone Trench
 3. Proprietary Device
 a. cluster array c. Linear
 b. regular load d. H-20 load
 4. Other: **PRE-TREATMENT SYSTEM**
SIZE: **750** sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT

1. No 2. Yes 3. Maybe
If Yes or Maybe, specify one below:
 a. multi-compartment tank
 b. _____ tanks in series
 c. increase in tank capacity
 d. Filter on Tank Outlet

DESIGN FLOW

270 gallons per day
BASED ON:
 1. Table 501.1 (dwelling unit(s))
 2. Table 501.2 (other facilities)
SHOW CALCULATIONS
— for other facilities —

SOIL DATA & DESIGN CLASS

PROFILE CONDITION DESIGN
B / D / 3
at Observation Hole # **1**
Depth **13** "
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Small—2.0 sq. ft. / gpd
 2. Medium—2.6 sq. ft. / gpd
 3. Medium—Large 3.3 sq. ft. / gpd
 4. Large—4.1 sq. ft. / gpd
 5. Extra Large—5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

1. Not Required
 2. May Be Required
 3. Required
Specify only for engineered systems:
DOSE: _____ gallons

3. Section 503.0 (meter readings)
ATTACH WATER METER DATA

SITE EVALUATOR STATEMENT

I certify that on **1/16/02** (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

[Signature]
Site Evaluator Signature

267
SE #

1/21/02 Date
REV. 1: 3/11/02

ALAN L. BURNELL
Site Evaluator Name Printed

781-5242
Telephone Number

PGCE@MAINE.RR.COM
E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
 Division of Health Engineering
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

PORTLAND

LOT 13 DIAMOND COVE

COX

SITE PLAN

Scale 1" = _____ ft. or as shown

SITE LOCATION PLAN
 (map from Maine Atlas
 recommended)

SEE ATTACHED

SEE ATTACHED

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole #1 Test Pit Boring
 4" Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM		DK BROWN	
10			LGT OLIVE	COMMON
20	SILT LOAM	FRIABLE	OLIVE GRAY	
30		FIRM		
40				
50				

Soil Classification 8 D Profile Condition	Slope 1 %	Limiting Factor 13 "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Observation Hole #1A Test Pit Boring
 3" Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM		DK BROWN	
10			LGT OLIVE GRAY	COMMON
20	SILT LOAM	FRIABLE	OLIVE GRAY	
30		FIRM		
40				
50				

Soil Classification 8 D Profile Condition	Slope 1 %	Limiting Factor 15 "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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[Signature]
 Site Evaluator Signature

267

SE #

1/21/02

Date

REV 1: 3/11/02

[Signature]

Page 2 of 3

HHE-200 Rev. 8/01

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
 Division of Health Engineering
 (207) 287-5672 Fax: (207) 287-3165

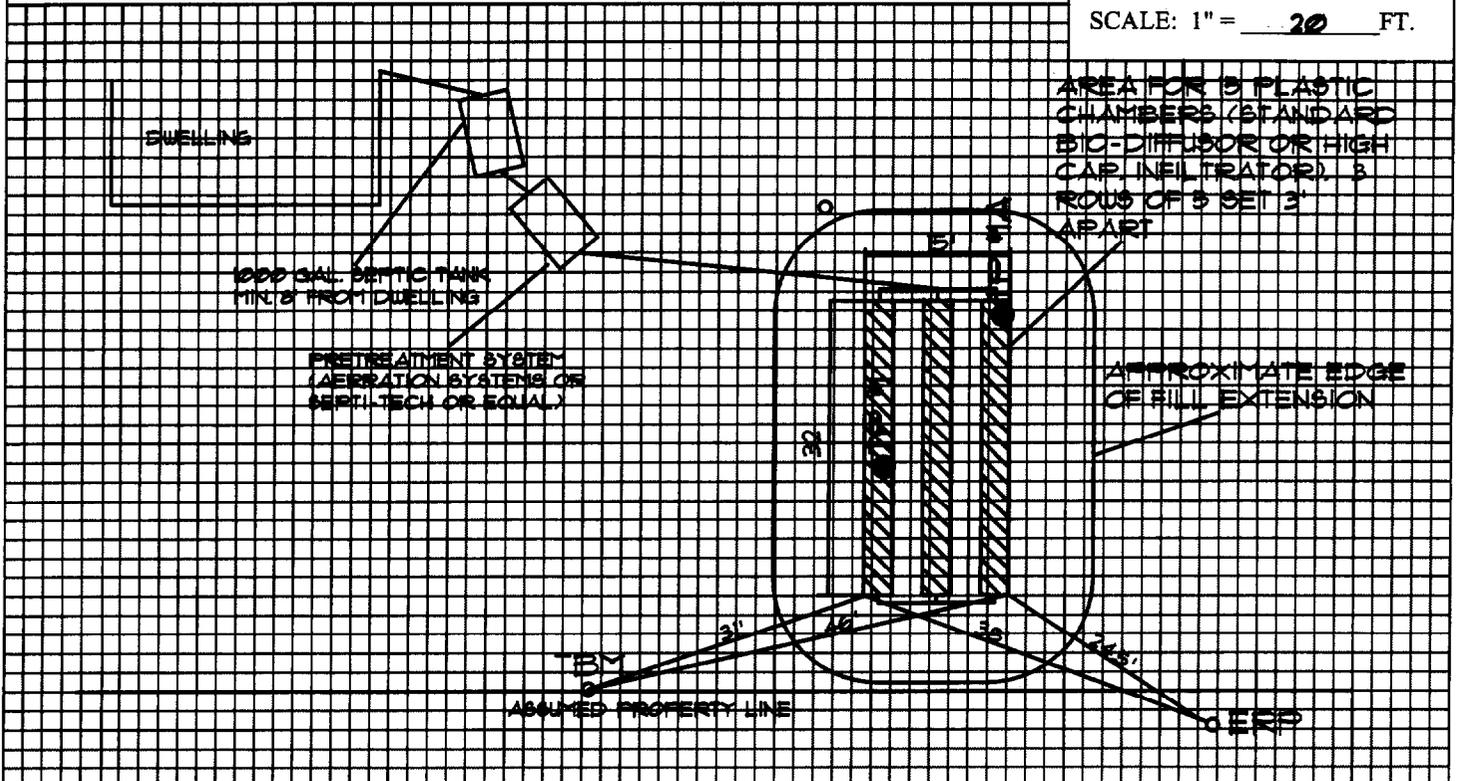
Town, City, Plantation
PORTLAND

Street, Road, Subdivision
LOT 13 DIAMOND COVE

Owner's Name
COX

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

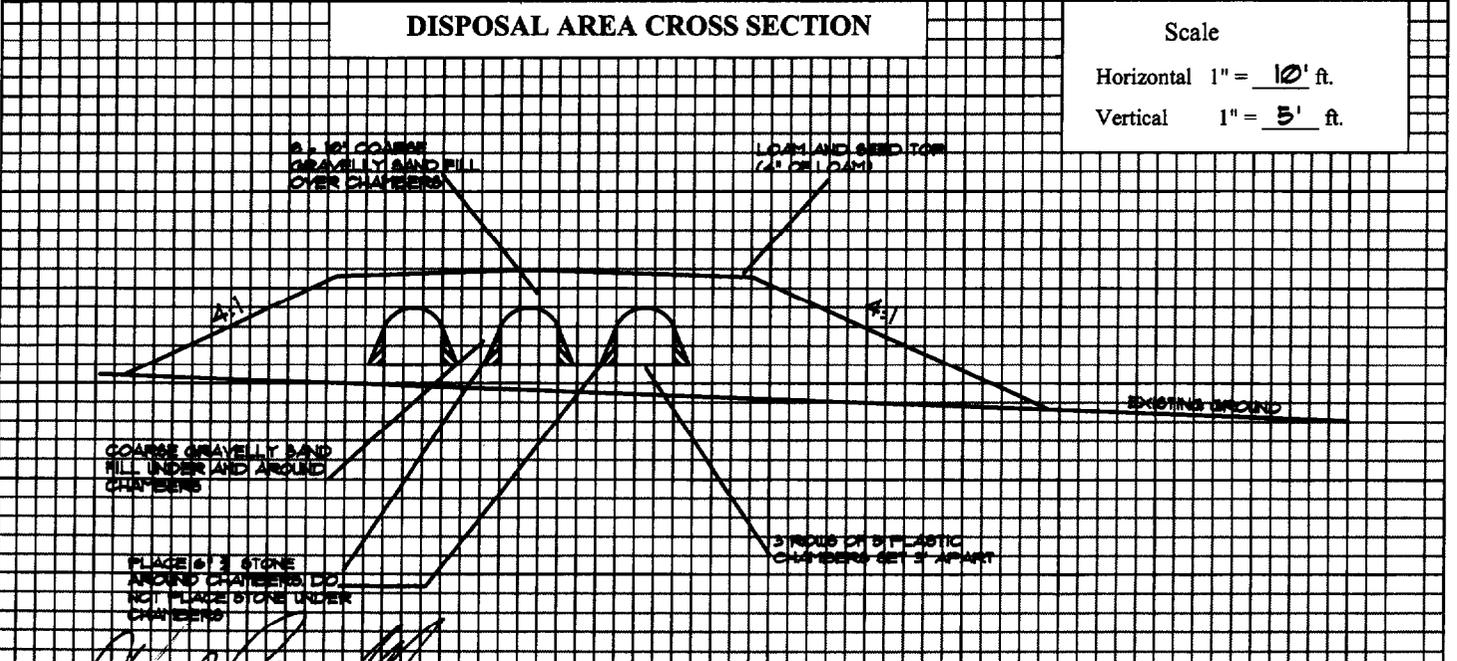
ELEVATION REFERENCE POINT

Depth of Fill (Upslope)	<u>35"</u>	Finished Grade Elevation	<u>-26"</u>	Location & Description:	<u>NAIL IN OAK TREE</u>
Depth of Fill (Downslope)	<u>38"</u>	Top of Distribution Pipe or Proprietary Device	<u>-38"</u>	Reference Elevation:	<u>0"</u>
		Bottom of Disposal Area	<u>-54"</u>		

DISPOSAL AREA CROSS SECTION

Scale

Horizontal 1" = 10' ft.
 Vertical 1" = 5' ft.



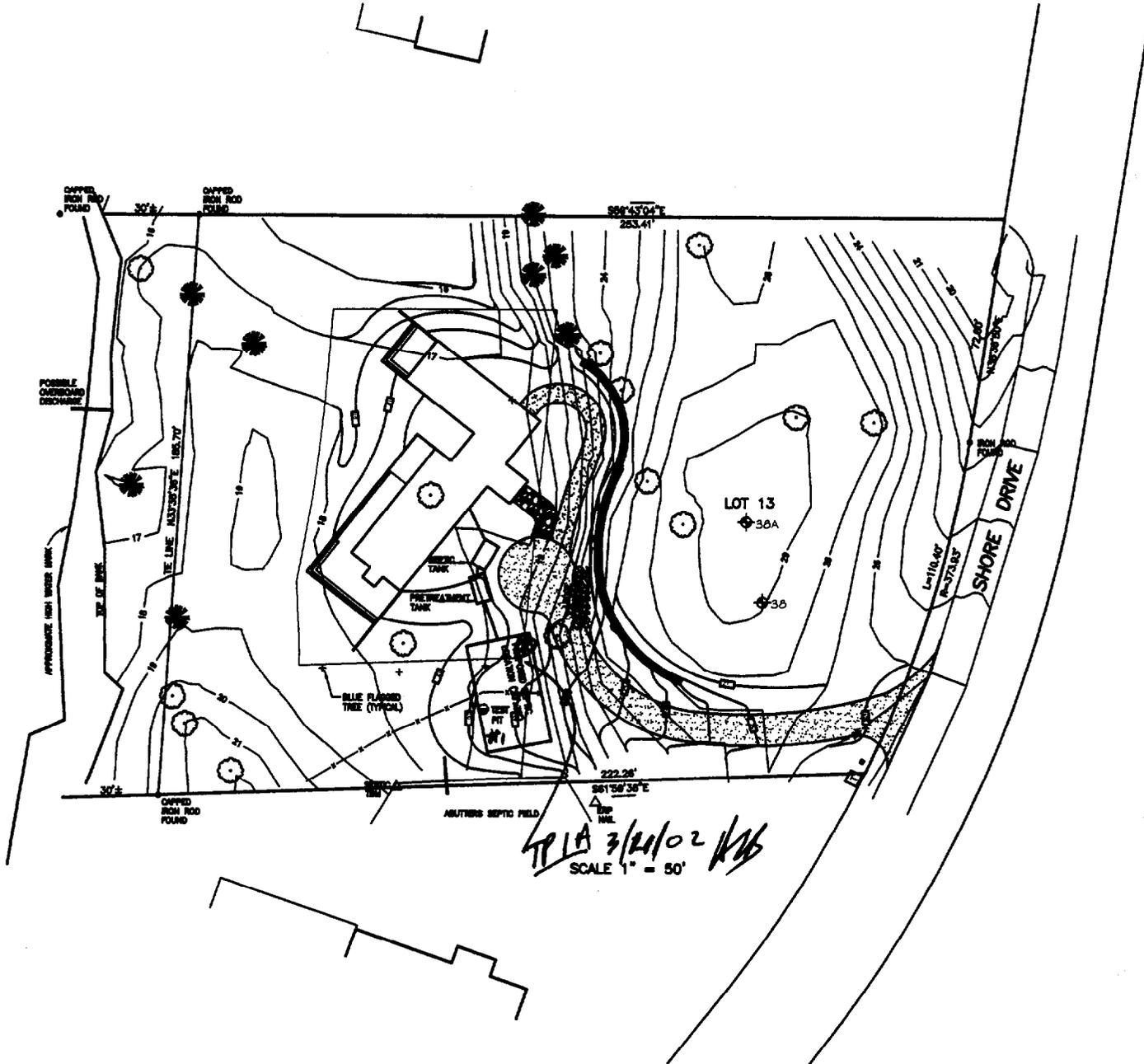
[Signature]
 Site Evaluator Signature

267
 SE #

01/21/02
 Date

(REV. 1:3/11/02)
[Signature]

ATLANTIC OCEAN



TP LA 3/21/02 W/26
SCALE 1" = 50'

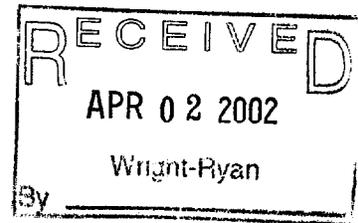




STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE HOUSE STATION 17 AUGUSTA, MAINE 04333

DEPARTMENT ORDER

IN THE MATTER OF



JOSEPH B. COX) SITE LOCATION OF DEVELOPMENT
Portland, Cumberland County)
DIAMOND COVE - LOT 13) MODIFICATION
L-13160-L3-X-M (approval)) FINDINGS OF FACT AND ORDER

Pursuant to the provisions of 38 M.R.S.A. Sections 481 et seq., the Department of Environmental Protection has considered the application of JOSEPH B. COX with the supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

1. In Board Order #L-13160-L3-G-N, dated June 25, 1991, the Board approved the development of Diamond Cove Phase II, a 39 lot residential subdivision on 102.6 acres of land. Department Order #L-13160-L3-H-T, dated January 31, 1994, approved the transfer of the permit to McKinley Partners L. P. The development is located on Great Diamond Island in Casco Bay, which is part of the City of Portland.
2. The applicant proposes to modify the approved building window on lot 13 so that it meets shoreland zoning setback requirements. The proposed change is shown on a site plan entitled "Cox Residence - Great Diamond Island, Maine," drawn by Winton Scott Architects and dated February 7, 2002. The applicant also proposes to change the location of the wastewater disposal system.
3. As approved in the original Board Order for Diamond Cove Phase II, the building window would have allowed construction within 75 feet of the normal high water line. The proposed building window will allow the house and associated improvements to be built outside the 75-foot setback. The applicant has submitted a Natural Resources Protection Act (N.R.P.A.) Permit-By-Rule notification form (PBR #29199), which states that any soil disturbance that occurs within 100 feet of the water will be done in accordance with the standards contained in Chapter 305 of the N.R.P.A.
4. The applicant has also submitted an HHE-200 form that contains information on the soils in the area of the proposed relocated wastewater disposal system, and details of the proposed system. This information has been reviewed by the Bureau of Land and Water Quality's Division of Environmental Assessment (DEA). DEA has commented that it is unlikely that the proposed subsurface wastewater disposal system will have an unreasonable adverse impact on groundwater quality at or beyond the project boundary or any downgradient receptors.
5. Based on its review of the application, the Department finds the requested modification to be in accordance with all relevant Departmental standards. All other findings of fact, conclusions and

conditions remain as approved in Board Order #L-13160-L3-G-N, and subsequent orders.

BASED on the above findings of fact, and subject to the conditions listed below, the Department makes the following conclusions pursuant to 38 M.R.S.A. Sections 481 et seq.:

- A. The applicant has provided adequate evidence of financial capacity and technical ability to develop the project in a manner consistent with state environmental standards.
- B. The applicant has made adequate provision for fitting the development harmoniously into the existing natural environment and the development will not adversely affect existing uses, scenic character, air quality, water quality or other natural resources in the municipality or in neighboring municipalities.
- C. The proposed development will be built on soil types, which are suitable to the nature of the undertaking and will not cause unreasonable erosion of soil or sediment nor inhibit the natural transfer of soil.
- D. The proposed development meets the standards for stormwater management in Section 420-D and the standard for erosion and sedimentation control in Section 420-C.
- E. The proposed development will not pose an unreasonable risk that a discharge to a significant groundwater aquifer will occur.
- F. The applicant has made adequate provision of utilities, including water supplies, sewerage facilities, solid waste disposal and roadways required for the development and the development will not have an unreasonable adverse effect on the existing or proposed utilities and roadways in the municipality or area served by those services.
- G. The activity will not unreasonably cause or increase the flooding of the alteration area or adjacent properties nor create an unreasonable flood hazard to any structure.

THEREFORE, the Department APPROVES the application of JOSEPH B. COX to change the building window and wastewater system location on lot 13 of Diamond Cove, SUBJECT TO THE FOLLOWING CONDITIONS and all applicable standards and regulations:

1. The Standard Conditions of Approval, a copy attached.
2. In addition to any specific erosion control measures described in this or previous orders, the applicant shall take all necessary actions to ensure that his activities or those of his agents do not result in noticeable erosion of soils or fugitive dust emissions on the site during the construction and operation of the project covered by this approval.

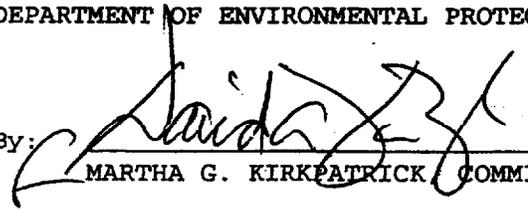
- 3. All other Findings of Fact, Conclusions and Conditions remain as approved in Board Order #L-13160-L3-G-N, and subsequent orders, and are incorporated herein.

THIS APPROVAL DOES NOT CONSTITUTE OR SUBSTITUTE FOR ANY OTHER REQUIRED STATE, FEDERAL OR LOCAL APPROVALS NOR DOES IT VERIFY COMPLIANCE WITH ANY APPLICABLE SHORELAND ZONING ORDINANCES.

DONE AND DATED AT AUGUSTA, MAINE, THIS 26 DAY OF March, 2002.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

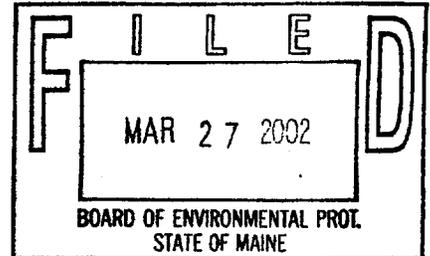
By:


MARTHA G. KIRKPATRICK COMMISSIONER

PLEASE NOTE THE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES..

Date of initial receipt of application 2/12/02
Date of application acceptance 2/21/02

Date filed with Board of Environmental Protection
MR/L13160XM



SITE LOCATION OF DEVELOPMENT (SITE)
STANDARD CONDITIONS

STRICT CONFORMANCE WITH THE STANDARD AND SPECIAL CONDITIONS OF THIS APPROVAL IS NECESSARY FOR THE PROJECT TO MEET THE STATUTORY CRITERIA FOR APPROVAL.

1. This approval is dependent upon and limited to the proposals and plans contained in the application and supporting documents submitted and affirmed to by the applicant. Any variation from the plans, proposals and supporting documents is subject to the review and approval of the Board prior to implementation. Further subdivision of proposed lots by the applicant or future owners is specifically prohibited, without prior approval by the Board of Environmental Protection, and the applicant shall include deed restrictions to this effect.
2. The applicant shall secure and comply with all applicable Federal, State and local licenses, permits, authorizations, conditions, agreements, and orders, prior to or during construction and operation as appropriate.
3. The applicant shall submit all reports and information requested by the Board or Department demonstrating that the applicant has complied or will comply with all conditions of this approval. All preconstruction terms and conditions must be met before construction begins.
4. Advertising relating to matters included in this application shall refer to this approval only if it notes that the approval has been granted WITH CONDITIONS, and indicates where copies of those conditions may be obtained.
5. Unless otherwise provided in this approval, the applicant shall not sell, lease, assign or otherwise transfer the development or any portion thereof without prior written approval of the Board where the purpose or consequence of the transfer is to transfer any of the obligations of the developer as incorporated in this approval. Such approval shall be granted only if the applicant or transferee demonstrates to the Board that the transferee has the technical capacity and financial ability to comply with conditions of this approval and the proposals and plans contained in the application and supporting documents submitted by the applicant.
6. If the construction or operation of the activity is not begun within two years, this approval shall lapse and the applicant shall reapply to the Board for a new approval. The applicant may not begin construction or operation of the development until a new approval is granted. Reapplications for approval shall state the reasons why the development was not begun within two years from the granting of the initial approval and the reasons why the applicant will be able to begin the activity within two years from the granting of a new approval, if granted. Reapplications for approval may include information submitted in the initial application by reference.
7. If the approved development is not completed within five years from the date of the granting of approval, the Board may reexamine its approval and impose additional terms or conditions or prescribe other necessary corrective action to respond to significant changes in circumstances which may have occurred during the five-year period.
8. A copy of this approval must be included in or attached to all contract bid specifications for the development.
9. Work done by a contractor pursuant to this approval shall not begin before the contractor has been shown by the developer a copy of this approval.

(2/81)/Revised November 1, 1979